



DEPARTMENT OF THE AIR FORCE
USAFSAM/FEH (AFMC)
HYPERBARIC MEDICINE DIVISION
BROOKS AIR FORCE BASE, TEXAS 78235-5252

20 Mar 02

MEMORANDUM FOR USAF Flight Surgeons Offices

FROM: USAFSAM/FEH (210 536-3281 DSN 240-)

SUBJECT: Ambulance Oxygen Adapter for CRU-60 and CRU-94 Compatible Masks

1. For the past 40 years it has been standard treatment protocol in cases of Decompression Sickness (DCS) to provide the aviator with 100% Oxygen by 'tight fitting aviators mask' in the ER and during transportation. An old Air Force Technical Order provided a method to accomplish this task, however the parts to construct the mechanism were expensive, bulky, and have become very difficult to locate. This letter is published to provide a current solution (thanks to TSgt Roy Cano) to an old problem.
2. Follows is a photo of the five parts needed to build an adapter that will fit 99% of today's oxygen fittings commonly found in ERs and ambulances. It provides a very light positive pressure of about 1 cm of water, and will fit any CRU-60 or CRU-94 compatible aviators mask. In the tanker-transport-bomber environment, you can use a smoke mask, or for any pilot who has a fitted helmet or mask, they can use their own equipment.



3. A list of part descriptions and NSNs (where applicable) follows:

National Stock Number	Life Assist	Part Description	Key#
NSN 1660-01-008-8107		CRU-79 Pressure Regulator	1
Mfg # N40XY72FNN-SNN	# OL-06	Low Pressure Oxygen Hose	2
Mfg # 2105	# OG-0802	Male Quick Connect Fitting	3
NSN 1660-00-348-2162 LS		Connector Assembly	4
NSN 4720-00-913-9942 BO		Hose, Oxygen Breathing	5

Life Assist Inc
11277 Sunrise Park Dr
Rancho Cordova, CA
Zip = 95742
1-800-824-6016

4. When assembled and hose connections secured with hose clamps or Tie-Wraps, the finished product is shown below (the short hose #5 shown below is shorter than the one listed in the NSN).



BENTON P. ZWART, COL, USAF, MC, CFS
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